WHAT IS CLAIMED IS:

- 1. A predictor set comprising a plurality of polynucleotides whose expression pattern is predictive of the response of cells to treatment with a compound that modulates protein tyrosine kinase activity or members of the protein tyrosine kinase pathway.
- 2. The predictor set according to claim 1 wherein the polynucleotides are selected from the group consisting of:
 - a.) the polynucleotides provided in Table 3;
 - b.) the sensitive predictor polynucleotides provided in Table 3;
 - c.) the resistant predictor polynucleotides provided in Table3;
 - d.) the polynucleotides provided in Table 4;
 - e.) the sensitive predictor polynucleotides provided in Table 4;
 - f.) the resistant predictor polynucleotides provided in Table 4;
 - g.) the polynucleotides provided in Table 5;
 - h.) the sensitive predictor polynucleotides provided in Table 5;
 - i.) the resistant predictor polynucleotides provided in Table5;
 - j.) the polynucleotides provided in Table 6;
 - k.) the sensitive predictor polynucleotides provided in Table 6; and
 - the resistant predictor polynucleotides provided in Table6;
- 3. The predictor set according to claim 2 wherein the plurality of polynucleotides comprise the number of polynucleotides selected from the group consisting of:
 - a.) at least about 5 polynucleotides;

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		b.)	at least about 10 polynucleotides;
		c.)	at least about 15 polynucleotides;
		d.)	at least about 20 polynucleotides;
		e.)	at least about 25 polynucleotides; and
5		f.)	at least about 30 polynucleotides.
	4.	The predicto	r set according to claims 3 wherein the plurality of
		polynucleotid	es comprise a member of the group consisting of:
		a.)	the polynucleotides provided in Table 10;
10		b.)	the sensitive predictor polynucleotides provided in
			Table 10;
		c.)	the resistant predictor polynucleotides provided in Table
			10;
		d.)	the polynucleotides provided in Table 11;
15		e.)	the sensitive predictor polynucleotides provided in
			Table 11;
		f.)	the resistant predictor polynucleotides provided in Table
			11;
		g.)	the polynucleotides provided in Table 12;
20		h.)	the sensitive predictor polynucleotides provided in Table 12; and
		i.)	the resistant predictor polynucleotides provided in Table
			12.
25	5.	The predictor	set according to claim 4 wherein the protein tyrosine
		kinases are se	elected from the group consisting of: Src, Fgr, Fyn, Yes,
		Blk, Hck, Lck	and Lyn, Ber-abl, Jak, PDGFR, e-kit and Ephr.
	6.	The predictor	r set according to claim 5 wherein the compound is
	selected from	the group cons	isting of:
30		a.) an	tisense reagents directed to said polynucleotides;
		b.) an	tibodies directed against polypeptides encoded by said

polynucleotides; and

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	c.) sm	all molecule compounds.
7.	The predictor	set according to claim 5 wherein the compound is
selected fro	om the group consi	isting of:
	a.)	BMS-A;
	b.)	BMS-B;
	c.)	BMS-C; and
	d.)	BMS-D.
8.	The predictor set	according to claim 1 wherein said cells are colon cancer
	cells.	
9.	A predictor set co	omprising a plurality of polypeptides whose expression
	pattern is predicti	ve of the response of cells to treatment with compounds
	that modulate pro	tein tyrosine kinase activity or members of the protein
	tyrosine kinase pa	thway.
10.	The predictor set	t according to claim 9 wherein the polypeptides are
	selected from the	group consisting of:
	a.)	the polypeptides provided in Table 3;
	b.)	the sensitive predictor polypeptides provided in Table 3;
	c.)	the resistant predictor polypeptides provided in Table 3;
	d.)	the polypeptides provided in Table 4;
	e.)	the sensitive predictor polypeptides provided in Table 4;
	f.)	the resistant predictor polypeptides provided in Table 4;
	g.)	the polypeptides provided in Table 5;
	h.)	the sensitive predictor polypeptides provided in Table 5;
	i.)	the resistant predictor polypeptides provided in Table 5;
	j.)	the polypeptides provided in Table 6;
	k.)	the sensitive predictor polypeptides provided in Table 6;
		and

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1.) the resistant predictor polypeptides provided in Table 6.

11. The predictor set according to claim 10 wherein the plurality of polypeptides comprise the number of polypeptides selected from the group consisting of:

	a.) at least about 5 polypeptides;
	b.) at least about 10 polypeptides;
	c.) at least about 15 polypeptides;
	d.) at least about 20 polypeptides;
5	e.) at least about 25 polypeptides; and
	f.) at least about 30 polypeptides.
	12. The predictor set according to claims 11 wherein the plurality of
	polypeptides comprise a member of the group consisting of:
10	a.) polypeptides provided in Table 10;
	b.) the sensitive predictor polypeptides provided in Table 10;
	c.) the resistant predictor polypeptides provided in Table 10;
	d.) the polypeptides provided in Table 11;
	e.) the sensitive predictor polypeptides provided in Table 11;
15	f.) the resistant predictor polypeptides provided in Table 11;
	g.) the polypeptides provided in Table 12;
	h.) the sensitive predictor polypeptides provided in Table 12;
	and
	i.) the resistant predictor polypeptides provided in Table 12.
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	13. The predictor set according to claim 12 wherein the protein tyrosine
	kinases are selected from the group consisting of: Src, Fgr, Fyn, Yes, Blk,
	Hck, Lck and Lyn, Bcr-abl, Jak, PDGFR, c-kit and Ephr.
	14. The predictor set according to claim 13 wherein the compound is
25	selected from the group consisting of:
	a.) antisense reagents directed to polynucleotides encoding said
	polypeptides;
	b.) antibodies directed against said polypeptides; and
	c.) small molecule compounds.
30	15. The predictor set according to claim 13 wherein the compound is
	selected from the group consisting of:

a.) BMS-A;

b.) BMS-B;

c.) BMS-C; and

		d.) BM	IS-D.
5	16.	The predictor	set according to claim 9 wherein said cells are colon
	cancer cells.		
	17.		predicting whether a compound is capable of modulating
	the activity of	cells, comprising	
		a.)	obtaining a sample of cells;
10		b.)	determining whether said cells express a plurality of markers; and
		c.)	correlating the expression of said markers to the compounds ability to modulate the activity of said cells.
15	18.	The method ac	ecording to claim 17 wherein the plurality of markers are
	19.	•	
	19.		according to claim 18 wherein the polynucleotides are
			the group consisting of:
20		·	polynucleotides of claim 1;
20		·	polynucleotides of claim 2;
		Ť	polynucleotides of claim 3; and
		d.) the	polynucleotides of claim 4.
	20.	The method a	according to claim 19 wherein the compounds are a
25		member of the	group consisting of:
		a.) the	compounds according to claim 5;
		b.) the	compounds according to claim 6; and
		c.) the	compounds according to claim 7.
30	21.	The method accells.	ccording to claim 18 wherein the cells are colon cancer

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22.	The method according to claim 17 wherein the plurality of markers are
	polypeptides.
23.	The method according to claim 22 wherein the polypeptides are
	selected from the group consisting of:
	a.) the polypeptides of claim 9;
	b.) the polypeptides of claim 10;
	c.) the polypeptides of claim 11; and
	d.) the polypeptides of claim 12.
24.	The method according to claim 23 wherein the compounds are a
	member of the group consisting of:
	d.) the compounds according to claim 13;
	e.) the compounds according to claim 14; and
	f.) the compounds according to claim 15.
25.	The method according to claim 19 wherein the cells are colon cancer
	cells.
26.	A plurality of cell lines for identifying polynucleotides and
	polypeptides whose expression levels correlate with compound
	sensitivity or resistance of cells associated with a disease state.
27.	The plurality of cell lines according to claim 26 wherein said cell lines
	are colon cancer cell lines.
28.	The physicity of cell lines according to alain 27 ml and acid cell lines
20.	The plurality of cell lines according to claim 27 wherein said cell lines comprise one or more cell lines provided in Table 1.
29.	A method of identifying polynucleotides and polypeptides that predict

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one or more compounds;

state, comprising the steps of:

compound sensitivity or resistance of cells associated with a disease

a.) subjecting the plurality of cell lines according to claim 28 to

	c.) selecting polynucleotides or polypeptides that predict the
	sensitivity or resistance of cells associated with a disease
5	state by using said expression pattern of said microarray.
	30. The method according to claim 23 wherein the compounds are a
	member of the group consisting of:
	a.) the compounds according to claim 5;
	b.) the compounds according to claim 6;
10	c.) the compounds according to claim 7;
	d.) the compounds according to claim 13;
	e.) the compounds according to claim 14; and
	f.) the compounds according to claim 15
15	31. The method according to claim 29 wherein said disease is colon
	cancer.
	32. A method for predicting whether an individual requiring treatment for
	a disease state, will successfully respond or will not respond to said treatment
20	comprising the steps of:
	a.) obtaining a sample of cells from said individual;
	b.) determining whether said cells express a plurality of
	markers; and
	c.) correlating the expression of said markers to the individuals
25	ability to respond to said treatment.
	33. The method according to claim 32 wherein the plurality of markers are
	polynucleotides.
	34. The method according to claim 33 wherein the polynucleotides are
30	selected from the group consisting of:
	a.) the polynucleotides of claim 1;
	b.) the polynucleotides of claim 2;

b.) analyzing the expression pattern of a microarray of

polynucleotides or polypeptides; and

	c.) the polynucleotides of claim 3; and
	d.) the polynucleotides of claim 4.
	35. The method according to claim 34 wherein the compounds are a member
5	of the group consisting of:
	a.) the compounds according to claim 5;
	b.) the compounds according to claim 6; and
	c.) the compounds according to claim 7.
10	36. The method according to claim 33 wherein the disease state is colon cancer.
	37. The method according to claim 34 wherein the plurality of markers are
	polypeptides.
	38. The method according to claim 37 wherein the polypeptides are selected
15	from the group consisting of:
	a.) the polypeptides of claim 9;
	b.) the polypeptides of claim 10;
	c.) the polypeptides of claim 11; and
	d.) the polypeptides of claim 12.
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	39. The method according to claim 38 wherein the compounds are a member
	of the group consisting of:
	a.) the compounds according to claim 5;
	b.) the compounds according to claim 6; and
25	c.) the compounds according to claim 7.
	40. The method according to claim 37 wherein the disease state is colon
	cancer.